



Profit from Mooij is our new email newsletter about the storage of potatoes and onions. It is a free monthly issue. As the storage technique is in full swing, there is a lot to tell and learn about it.

In this edition:

- Mooij Weight Watcher
- Sprout Control
- Fusarium in onions

Mooij Weight Watcher

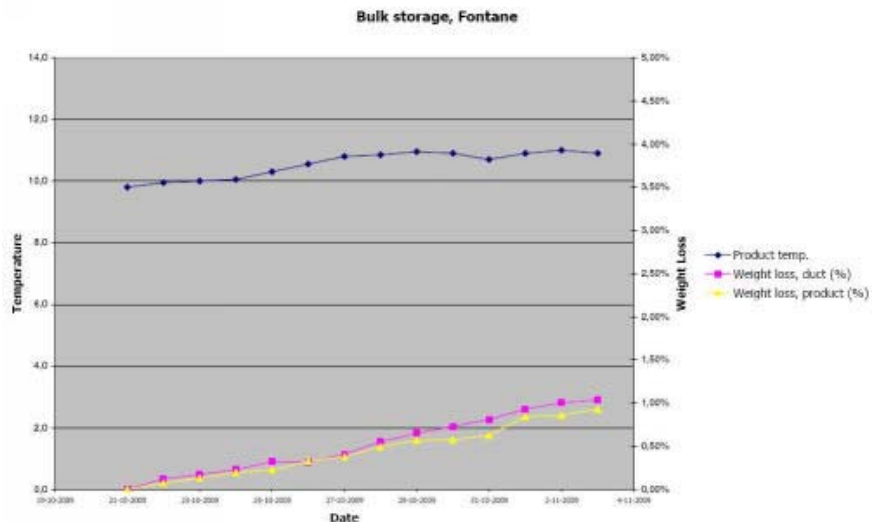
Issue 3 of our newsletter introduced the Mooij Weight Watcher. By continuously monitoring a sample bag potatoes, this instrument determines how much and when weight losses take place. This storage season, the Mooij Weight Watchers is used in four storages in the Netherlands and Belgium to determine the weight of a sample bag potatoes in the duct and above the product. Apart from potato weight, the relative humidity and ambient temperature of the potatoes are registered.

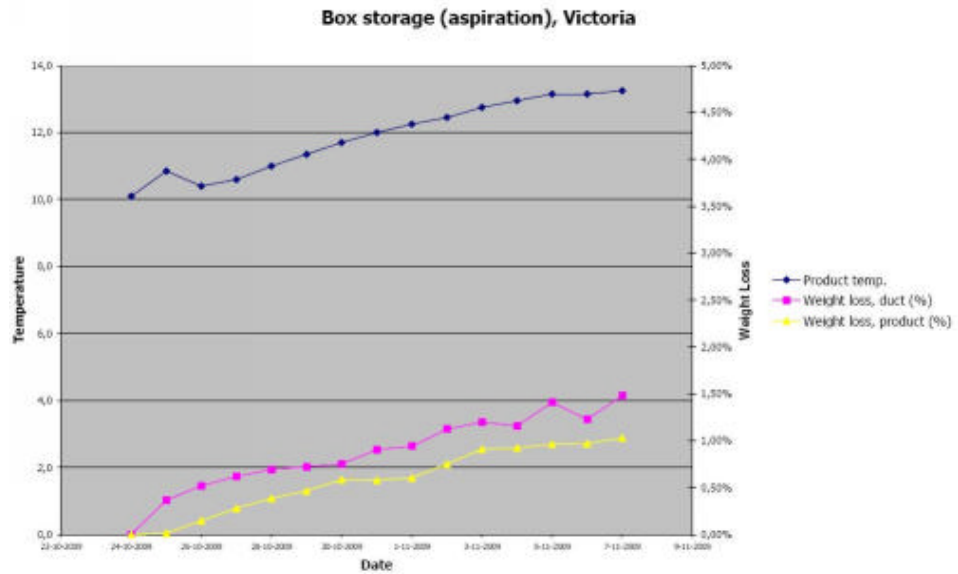
This concerns 3 bulk storages and 1 box storage with aspiration system.



1. Bulk, Fontane
2. Bulk, Ramos
3. Bulk, Agria
4. Boxes, Victoria

The graphics beneath show the result of the first 2 weeks of storage for one bulk and the box storage. The weight losses in the duct are greater in both systems, because external/mixed air is directly blown alongside. The losses on the product are smaller. The weight loss of the potatoes themselves will be between both lines.





We will keep you posted on the measurement results and further developments.

Sprout Control

The hot and dry weather of last growing season is the reason why the germination of potatoes is greater than in preceding years. Germination results in weight and quality loss and is therefore unwanted. If the potatoes are not treated during loading, a treatment by cold or hot fogging is called for.

Hot Fogging (gasses)



It is dangerous to apply a sprout inhibitor with gas equipment. Preferably, the gas equipment is positioned outside on the ground. When air is blown into the pressure chamber beneath the fans, the fans will remain cleaner for a longer time and more sprout inhibitor will enter the bulk. However, as a result of pressure in the chamber, the air containing sprout inhibitor is often

blown back into the equipment. This results in bad functioning of the equipment, spills the products and is unhealthy for the user.

The Sprout Inhibitor Injector, consisting of an injector duct and fan, ensures sufficient pressure and air. Thus it is possible to blow underneath the fans without the risk of air being returned.

The user can safely work outside. An additional advantage is that the Sprout Inhibitor Injector will not get as hot as the duct of the gas equipment, which reduces the chance of fire.

At a high airspeed, the CIPC may crystallize and stick on the protection grid and the blades of the fans. Ventilate whenever possible at a lower ventilation capacity to prevent crystallization and to ensure better spread of the inhibitor on the potatoes.



Cold Fogging



The use of the product by means of cold fogging (Cyclomatic/Potatofog/Coldfog) is fully integrated into the Orion storage computer with the Dose pump.

There is a choice of weekly, daily, once, on and off. The following settings can be used:

- Time on day of treatment
- When used weekly, the day of treatment can be entered.
- Start time of the treatment
- Amount of time for preceding external air ventilation
- Running time (dosing time) of the pump
- Amount of time of ventilation after the treatment
- Waiting time before returning to the usual program.



When using a frequency converter, a separate speed can be entered into the program of the dose pump while applying the sprout inhibitor. This allows a better spread and less sticking!

A piece of advice of an onion store manager

This year there has been some Fusarium in my onions. I was able to control the Fusarium by ventilating continuously on minimum amount of air with my frequency converters. The energy consumption is negligible. The onions remain dry. An additional advantage is that the relative humidity sensor continuously indicates the best measurement.

All issues of Profit from Mooij can be downloaded at our website.
Look at www.mooij-agro.nl. News

Do you have any remarks, additional information or do you want to share experiences, please let me know. Would you like to learn more about this subject, please contact me.

Kind regards,
Maarten Mooij

Telephone +31 77-3275045
E:mail profitfrommooij@hotraco.com
Website <http://www.mooij-agro.nl>